



Generation IV Roadmap Panel

***ICONE
Washington, DC
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Participants

Neil Todreas

KEPCO Professor of Nuclear Engineering at the Massachusetts Institute of Technology

Co-chairman of the NERAC Subcommittee on Generation IV Technology Planning

Ralph Bennet

?, Idaho National Engineering and Environmental Laboratory

Co-chairman of the Roadmap Integration Team (RIT) of the Generation IV Technology Roadmap

Dr. Hussein S. Khalil

Associate Director of the Reactor Analysis and Engineering Division at Argonne National Lab.

PhD in Nuclear Engineering from MIT in 1983

Technical background includes reactor physics, core design and fuelcycle analysis.

Co-chairman of the Roadmap Integration Team (RIT) of the Generation IV Technology Roadmap

Kazuaki Matsui

Institute of Applied Energy

Member, Evaluation Methodology Group of the Generation IV Technology Roadmap

Goal of Generation IV Initiative

Advance concepts for a number of next-generation nuclear energy systems that can be licensed, constructed, and operated in a manner that will provide competitively priced and reliable energy products, while satisfactorily addressing nuclear safety, waste, proliferation and public perception concerns.

Generation IV Participants

Generation IV International Forum (GIF)

- ***Argentina***
- ***Brazil***
- ***Canada***
- ***France***
- ***Japan***
- ***Republic of Korea***
- ***Republic of South Africa***
- ***Switzerland***
- ***United Kingdom***
- ***United States***

Generation IV Participants

Roadmap Participants

- Approximately 100 scientists and engineers from all ten GIF countries plus the OECD NEA, IAEA, and European Union***
- Guided by a Roadmap Integration Team and a NERAC subcommittee, members of which are included on the panel***

The Roadmap

- ***Plan supporting the research and development for 6-8 concepts selected by GIF***
- ***Each GIF country will participate in the development of concepts of interest to the particular country***

Format

- ***Todreas-Gen IV Goals, NERAC, GIF***
- ***Bennett-Roadmap Overview***
- ***Khalil-Generation IV Concepts***
- ***Matsui-Evaluation Methodology***

Goal of Panel Presentation

- ***Generate interest in the research associated with advanced nuclear energy systems***
- ***Inform audience members of the status of the Roadmap development***